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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Applicants : Pirooz Vatan, C. Harry Knowles, Xiaoxun Zhu and
Constantine J. Tsikos
Application Serial No.: 10/068,462
Filing Date : February 7, 2002
Title: METHOD OF AND SYSTEM FOR PRODUCING HIGH-
RESOLUTION 3-D IMAGES OF 3-D OBJECT SURFACES
HAVING ARBITRARY SURFACE GEOMETRY
Examiner : Thien Le
Group Art Unit : 2876
Attorney Docket No. : 108-151USAN10

Commissioner of Patents
and Trademarks
Washington, D.C. 20231

AMENDMENT UNDER RULE 312(a)

SIR:

Prior to payment of Issue Fee in the present Application, please amend the same as follows:

AMENDMENT TO THE CLAIMS:

Please amend Claims 669-679 as follows:

Claims 1-668 (canceled)

Claim 669 (currently amended): A system for producing high-resolution 3-D images of 3-D object surfaces of arbitrary surface geometry moving relative to said system, said system comprises:

an object profiling subsystem for profiling ~~an~~ a 3-D object surface of arbitrary surface geometry moving past said system, and producing a series of linear 3-D surface profile maps of said moving 3-D object surface as said 3-D object surface moves past said system,

wherein each said linear 3-D surface profile map comprises a set of 3-D coordinates specifying the location of sampled points along said moving 3-D object surface;